

## Technologies commercialized by ICAR-NDRI, Karnal

S. No.	Name of technology	Date on which MOU signed	Purchaser
1.	Continuous Rasogolla Ball making Machine	07.10.2006	Kaira District Co-operative Milk Producers Union Limited (AMUL), Anand, Gujarat
2.	Calcium fortification of milk (2006)	2006	Bihar State Cooperative Milk Producers Federation Ltd., Patna, Bihar
3.	A kit for detection of detergent in milk	2008	Mother Dairy Fruit & Vegetable Pvt. Ltd., Delhi
4.	Spore Based kit for detection of Antibiotic Residues in milk at Dairy farm	17.12.2008	Neugen Diagnostics Pvt Ltd, Vijayawada, AP
5.	Low-cholesterol ghee.	2011	Kwality Ltd. KWALITY House, F-82, Shivaji Place, Rajouri Garden, New Delhi
6.	A new test for detergent detection for milk.	20-03-2013	Mother Dairy Fruit & Vegetable Pvt. Ltd., Delhi
7.	Iron fortified biscuits	05-07-2013	Shree Shivani Agro Indore, M.P.
8.	Mineral mixture (Cation & Anion)	15-07-2013	Shree Jee Supplements, Jaipur, Rajasthan
9.	Mineral mixture (Cation & Anion)	15-07-2013	Kamdhenu Feeds, Sahranpur, U.P.
10.	Mineral mixture (Cation & Anion)	02-12-2013	Shakti Livestock Feeds (P) Ltd, Meerut, U.P.
11.	Detection of <i>Enterococci</i> in Milk.	05-07-2013	Nuegen Diagnostics (p) Ltd Hyderabad, AP
12.	Detection of <i>L. monocytogenes</i> in Milk.	05-07-2013	Nuegen Diagnostics (p) Ltd Hyderabad, AP
13.	High protein Iron fortified Bajra Biscuits	08-01-2014	Sarvotham Care Ltd, Secunderabad, AP
14.	High protein Iron fortified Bajra Biscuits	08-01-2014	Mrs. Santosh Yadav, Karnal, Haryana
15.	Bajra Lassi	08-01-2014	Misthi Farmer Producers Co. Ltd, Karnal, Haryana
16.	New colour based test for rapid detection of detergent in milk.	19-03-2014	Rajasthan Co-operative Dairy Federation Ltd, Raj.
17.	New colour based test for rapid detection of detergent in milk.	13/01/2014	Havmor Icecream Ltd, Ahmedabad, Gujarat
18.	Strip based Test for Detection of Neutralizers in Milk	10/12/2014	Mother Dairy Fruit & Vegetable Pvt. Ltd., Delhi

19.	Strip based Test for Detection of Added Urea in Milk.	10/12/2014	Mother Dairy Fruit & Vegetable Pvt. Ltd., Delhi
20.	Strip based Test for Detection of Hydrogen Peroxide in Milk	10/12/2014	Mother Dairy Fruit & Vegetable Pvt. Ltd., Delhi
21.	Strip based Test for Detection of Glucose in Milk	10/12/2014	Mother Dairy Fruit & Vegetable Pvt. Ltd., Delhi
22.	Strip based Test for Detection of Maltodextrin in Milk.	10/12/2014	Mother Dairy Fruit & Vegetable Pvt. Ltd., Delhi
23.	Strip based Test for Detection of Neutralizers in Milk	11/12/2014	Rajasthan electronics and Instruments Limited
24.	Strip based Test for Detection of Added Urea in Milk.	11/12/2014	Rajasthan electronics and Instruments Limited
25.	Strip based Test for Detection of Hydrogen Peroxide in Milk	11/12/2014	Rajasthan electronics and Instruments Limited
26.	Strip based Test for Detection of Glucose in Milk	11/12/2014	Rajasthan electronics and Instruments Limited
27.	Strip based Test for Detection of Maltodextrin in Milk.	11/12/2014	Rajasthan electronics and Instruments Limited
28.	A PCR based method for differentiating A1 and A2 milk.	01/12/2014	A2Milk Research Corporation, Raipur-Chhattisgarh-492001
29.	A PCR based method for differentiating Cow and Buffalo milk	01/12/2014	A2Milk Research Corporation, Raipur-Chhattisgarh-492001
30.	Sugar tolerating lactic culture for preparation of Misti Doi	10/11/2014	Namaste India Foods Pvt., UP
31.	An indigenous probiotic strain of <i>Lactobacillus fermentum</i> Technology	30/09/2014	Sarvotham Care Ltd, AP
32.	An indigenous probiotic strain of <i>Lactobacillus plantarum</i> Technology	30.09.2014	Sarvotham Care Ltd, AP
33.	Whey based Medium for Lactic acid Bacteria	05-02-2016	Absource Biologics(P) Ltd., Pune
34.	Bioprocess for Direct Vat Set (DVS) Misti Dahi Culture	05-02-2016	Absource Biologics(P) Ltd., Pune
35.	EPS producing culture for preparation of low-fat dahi	05-02-2016	Absource Biologics(P) Ltd., Pune
36.	Whey Jaljeera Drink	19-05-2016	Abis Dairy Farm, Rajnandgaon, Chhattisgarh, Pin- 491441
37.	Misti Doi with fast acidifying high sugar tolerating lactic culture	19-05-2015	Abis Dairy Farm, Rajnandgaon, Chhattisgarh, Pin- 491441
38.	Improved Texture Dahi	19-05-2015	Abis Dairy Farm, Rajnandgaon, Chhattisgarh, Pin- 491441

39.	Bajra Lassi	19-05-2015	Abis Dairy Farm, Rajnandgaon, Chhattisgarh, Pin- 491441
40.	Strip Based Test for Detection of Maltodextrin in Milk .	09-06-2015	M/s M. Bhandari Chem Pvt. Ltd. Ahmedabad - 380014
41.	A process for preparation of low cholesterol Ghee.	01-07-2015	Vaishal Patliputra Dugdh Utpadak Sahkari Sangh Ltd., Patna-801505
42.	Strip Based Test for Detection of Maltodextrin in Milk.	21-08-2015	Vaishal Patliputra Dugdh Utpadak Sahkari Sangh Ltd., Patna-801505
43.	Misti Doi with fast acidifying high sugar tolerating lactic culture	12-09-2015	C.P. Milk and Food products Pvt.Ltd., Lucknow (UP)
44.	Strip Based Test for Detection of Maltodextrin in Milk.	16-09-2015	Havmor Icecream Ltd., Ahmedabad - 380009, Gujarat.
45.	Nutrimix	17-09-2015	IRA Foods Pvt. Ltd, Kurukshetra, Haryana
46.	Technology of Kheer Mohan Production from Buffalo Milk	28-10-2015	Ramesh Chandra Garg, Krishna Chilling Center, Wazirpur, Gangapur city, Dist: Sawai Madhopur, Rajasthan-322001
47.	Misti Doi with fast acidifying high sugar tolerating lactic culture	03-09-2015	ITC LIMITED, No.18, Banaswadi Main Road, Maruthiseva Nagar, Bangalore-560 005 (India)
48.	A process for preparation of low cholesterol Ghee.	06-04-2016	Sunrise Milk foods LLP, New Delhi
49.	Arjuna Herbal Ghee.	23-05-2016	Hero Herbal Ghee & Dairy Research Products, Saharanpur
50.	A process for preparation of low cholesterol Ghee.	07-06-2016	Sri Vijaya Visakha Milk Producer's Company Limited – Visakha Dairy, Visakhapatnam
51.	Exopolysaccharides producing lactic cultures for preparation of low-fat lassi	08-06-2016	Renuka Milk and Dairy Product, Indore
52.	Spore Based kit for detection of Antibiotic Residues in milk at Dairy farm.	17-12-2016	Hatsun Agro Product Ltd. Chennai
53.	Paper Strip assay for Rapid detection of Pesticide Residues .	17-12-2016	Hatsun Agro Product Ltd. Chennai
54.	Fast Acidifying Yoghurt Culture for Greek Style Yoghurt	30-12-2017	Goliana.553, Udyog Vihar, Phase-V, Gurgaon-122016
55.	Strip Based Test for Detection of Maltodextrin in Milk.	13-02-2017	Delmos Research Private Limited. House No.- 5210/29, Street No. -12, Surat Nagar,Gurgaon-122001
56.	Anionic Mineral Mixture for Post-partum Dairy Animals	29-03-2017	Summer India, E-5228/A, Sector-11, Rajajipuram, Lucknow-17

57.	Sugar tolerating lactic culture for preparation of Misti Doi (Misti Doi Culture-15 freeze dried ampoules	12.04.2017	NIF Private Limited, Kanpur
58.	Whey Jaljeera Drink	04.05.2017	J. R. Agritech Pvt Ltd, Aligar, UP.
59.	Whey Mango Drink	04.05.2017	J. R. Agritech Pvt Ltd, Aligar, UP
60.	DNA based method for differentiation of cow, buffalo, sheep, goat and camel milk .	05.06.2017	IDMC Ltd., Lucknow.
61.	Sugar tolerating lactic culture for preparation of Misti Doi (Misti Doi Culture-15 freeze dried ampoules	04.07.2017	NIF Private Limited, Kanpur
62.	Arjuna Herbal Ghee	23.08.2017	Punjab & Sindh Dairy Products Pvt. Ltd. Mumbai.
63.	Bajra Lassi	27.09.2017	Aadhar Udyog, Delhi
64.	Milk Protein Enriched Iron Fortified Bajra Biscuit	27.09.2017	Aadhar Udyog, Delhi
65.	Detection of buffalo milk in cow milk using Hansa test serum	27.12.2017	Mother Dairy Fruit & Vegetable Pvt. Ltd., Delhi
66.	Strip Based test for Detection of Maltodextrin in Milk	14.11.2017	The Punjab State Cooperative Milk Producers' Federation Ltd., Chandigarh
67.	Sugar tolerating lactic culture for preparation of Misti Doi (Misti Doi Culture-15 freeze dried ampoules	08.12.2017	NIF Private Limited, Kanpur
68.	Preparation of Whey Mango Drink	15.02.2018	Tamil Nadu Co-operative Milk Producers Federation Ltd ., Channei
69.	Misti Doi with Fast Acidifying High Sugar tolerating Lactic Cultures	16.02.2018	Schreiber Dynamix Dairies Pvt. Ltd., Pune
70.	Strip based Test for Detection of Neutralizers in Milk	14.03.2018	Delmos Research Private Limited. House No.- 5210/29, Street No. -12, Surat Nagar,Gurgaon-122001
71.	Strip based Test for Detection of Hydrogen Peroxide in Milk	14.03.2018	Delmos Research Private Limited. House No.- 5210/29, Street No. -12, Surat Nagar,Gurgaon-122001
72.	"Sugar tolerating lactic culture for preparation of Misti Doi (Misti Doi Culture-20 freeze dried ampoules)	20.04.2018	NIF Private Limited, Village-Baharampur, Tehsil Bilhaur, Kanpur, (UP)
73.	Strip based detection of neutralizers in milk	28.04.2018	M/S Harsh Infracon Private Limited, Amreli, Gujarat

74.	Strip based test for detection maltodextrin in milk .	28.04.2018	M/S Harsh Infracon Private Limited, Amreli, Gujarat
75.	Strip based test for detection of urea in milk .	28.04.2018	M/S Harsh Infracon Private Limited, Amreli, Gujarat
76.	New colour based test for rapid detection of detergent in milk .	28.04.2018	M/S Harsh Infracon Private Limited, Amreli, Gujarat
77.	Arjuna Herbal Ghee	15.05.2018	M/S SSVAS VITTLES COMPANY, Near Mota Bus Stand, Hari Om Sweets, Amreli – 365601, Gujarat
78.	A new rapid test for Detection of Detergent in milk .	17.07.2018	M/S The Punjab State Cooperative Milk Producers' Federation Ltd., Chandigarh - 160022
79.	A new strip based Test for Detection of Neutralizers in Milk	17.07.2018	M/S The Punjab State Cooperative Milk Producers' Federation Ltd., Chandigarh - 160022
80.	A new strip based Test for Detection of Urea in Milk.	17.07.2018	M/S The Punjab State Cooperative Milk Producers' Federation Ltd., Chandigarh - 160022
81.	Strip based Test for Detection of Hydrogen Peroxide in Milk	17.07.2018	M/S The Punjab State Cooperative Milk Producers' Federation Ltd., Chandigarh - 160022
82.	Strip based Test for Detection of Glucose in Milk	17.07.2018	M/S The Punjab State Cooperative Milk Producers' Federation Ltd., Chandigarh - 160022
83.	A new strip based Test for Detection of Sucrose in Milk	17.07.2018	M/S The Punjab State Cooperative Milk Producers' Federation Ltd., Chandigarh - 160022
84.	Anionic mineral mixture for reducing post-partum problems in cattle and buffaloes	19.09.2018	West Bengal Chemical Industries Limited, Kolkata
85.	Spore based Kit for Detection of Antibiotic Residues in Milk at Dairy Farm	13.03.2019	Delmos Research Private Limited. House No.- 5210/29, Street No. -12, Surat Nagar,Gurgaon-122001
86.	Technology of Sour Dahi Using Prolific Acidifying Lactic Cultures	19.03.2019	Lacpro Biotech Private Limited, Pune
87.	Misti Doi with Fast Acidifying High Sugar Tolerating Lactic Culture(S)	19.03.2019	Lacpro Biotech Private Limited, Pune
88.	Process technology for paladapayasam mix preparation by dry crystallization method in a mechanical unit	28.03.2019	Manjilas Food Tech Private Limited , Kerala
89.	Paper Strip Assay for rapid detection of pesticide residues	01.07.2019	Florencer Services Private Limited , New Delhi

<b>90.</b>	Paper strip-based assay for detection of Antibiotic residues in Milk	01.07.2019	Floreecer Services Private Limited , New Delhi
<b>91.</b>	Technology for preparation of self-stable, nutritionally rich smoothies using dairy and non-dairy ingredients	17.12.2019	Zest Fresh Foods, Vishakhapatnam
<b>92.</b>	A new strip-based test for detection of neutralizers in milk	13.03.2020	J. K. Scientific Industries, Ambala Cant
<b>93.</b>	Strip based test for detection of hydrogen peroxide in milk	13.03.2020	J. K. Scientific Industries, Ambala Cant
<b>94.</b>	Strip based test for detection of maltodextrin in milk	13.03.2020	J. K. Scientific Industries, Ambala Cant
<b>95.</b>	A new rapid test for detection of detergent in milk	13.03.2020	J. K. Scientific Industries, Ambala Cant
<b>96.</b>	Misti Doi with Fast Acidifying high sugar tolerating lactic culture(s)	02.09.2020	VRS foods Limited, New Delhi
<b>97.</b>	Ready to Reconstitute Rasmalai Mix	02.09.2020	Chandigarh Sweets Limited, Chandigarh
<b>98.</b>	Ready to Reconstitute Kheer Mix	02.09.2020	Chandigarh Sweets Limited, Chandigarh
<b>99.</b>	Arjuna Herbal Ghee	23.10.2020	Misthi Farmer Producers Co. Ltd, Karnal, Haryana
<b>100.</b>	Preparation of milk-based spray dried nanoencapsulated curcumin formulation	04.01.2021	Anthocyanin Naturals Indian Pvt. Ltd, Kerala
<b>101.</b>	Process technology for Palada Payasam Mix Preparation by Dry Crystallization Method in a Mechanical Unit.	11.01.2021	Eastern Condiments Pvt Ltd, Kerala
<b>102.</b>	Milk Protein-enriched Bajra Snacks	01.02.2021	Sarvagya Ayur and Pharma (OPC) Private Limited, Maharashtra
<b>103.</b>	Spore based kit for detection of antibiotic residues in milk at dairy farm	31.08.2021	Schreiber Dynamix Dairies Pvt Ltd., Mumbai
<b>104.</b>	Milk Protein enriched Iron fortified Bajra Biscuit	22.09.2021	Chandigarh Sweets Limited, Chandigarh
<b>105.</b>	Spore based kit for detection of antibiotic residues in milk at dairy farm	14.10.2021	Tirumala Milk Products Private Limited, Chennai
<b>106.</b>	PCR based method for differentiating A1 and A2 milk	06.05.2022	Manorama Agrobiotech Pvt. Ltd. Gujarat
<b>107.</b>	Paper strip assay for rapid detection of pesticide residues	09.05.2022	Delmos Research Private Limited. House No.- 5210/29, Street No. -12, Surat Nagar,Gurgaon-122001

108.	Protein rich cheese squeeze	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
109.	Cow ghee enriched with natural polyphenols for enhanced shelf-life	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
110.	Milk millet-based protein rich dairy dip	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
111.	Ghee residue incorporated energy bar	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
112.	Functional butter with hypocholesterolemic attributes	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
113.	Dry crystalized kheer mix	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
114.	Flavoured milk and curd fortified with plant source of omega 3 fatty acid	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
115.	Shelf stable, nutritionally rich smoothies using dairy and non-dairy ingredients	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
116.	Spray dried milk malted millet beverage mix	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
117.	Spreadable butter fortified with vegetarian source of omega-3-fatty acid	21.05.2022	Karnataka Producers' Bengaluru	Cooperative Federation	Milk Limited,
118.	Protein rich cheese squeeze	25.04.2022	2S Dairy Bengaluru	Deli Products (OPC),	
119.	Technology for preparation of curcumin enriched ghee	07.07.2022	Brahmins Foods India Pvt. Ltd., Vengalloor - Kolani Bypass Road, Manakkad P.O., Thodupuzha, Kerala		
120.	Total Mixed Ration	29.08.2022	Digi Vet Care Pvt. Ltd., Vasant Kunj, New Delhi		
121.	Indigenous probiotic lactobacillus rhamnosus NCDC 610	20.01.2023	Vickro Biopharma Pvt. Ltd., Hyderabad		
122.	Native vitamin B12 producing lactobacillus Reuteri NCDC 958/VTCC610b for production	20.01.2023	Vickro Biopharma Pvt. Ltd., Hyderabad		

	Of vitamin B12 bio-fortified soy curd		
123.	Misti Doi with fast acidifying high sugar tolerating lactic cultures	20.03.2023	Terrestrial Foods Ltd., New Delhi
124.	Spore based kit for detection of antibiotic residues in milk at dairy farm	08.06.2023	Beejapuri Dairy Pvt. Ltd., BG-05, Unitech Arcadia, Sector – 49, South City -2, Gurgaon Haryana, 122018
125.	Strip based technology for early detection of sub-clinical and clinical Mastitis	24.11.2023	Schreiber Dynamix Dairies Pvt. Ltd., Pune
126.	A new rapid test for detection of detergent in milk	04.01.2024	Hatsun Agro Product Ltd., Chennai
127.	A new strip based test for detection of neutralizers in milk	04.01.2024	Hatsun Agro Product Ltd., Chennai
128.	A new strip based test for detection of urea in milk	04.01.2024	Hatsun Agro Product Ltd., Chennai
129.	Strip based test for detection of glucose in milk	04.01.2024	Hatsun Agro Product Ltd., Chennai
130.	Strip based test for detection of hydrogen peroxide in milk	04.01.2024	Hatsun Agro Product Ltd., Chennai
131.	Strip based test for detection of maltodextrin in milk	04.01.2024	Hatsun Agro Product Ltd., Chennai
132.	A strip based test for detection of sucrose in milk	04.01.2024	Hatsun Agro Product Ltd., Chennai
133.	Strip for detection of sodium chloride in milk	04.01.2024	Hatsun Agro Product Ltd., Chennai
134.	Paper based strip for the rapid detection of formalin in milk	04.01.2024	Hatsun Agro Product Ltd., Chennai
135.	A new strip based test for detection of neutralizers in milk	26-03-2025	Everest Instruments Pvt. Ltd., Ahmedabad, Gujarat
136.	A new strip based test for detection of urea in milk	26-03-2025	Everest Instruments Pvt. Ltd., Ahmedabad, Gujarat
137.	Strip based test for detection of glucose in milk	26-03-2025	Everest Instruments Pvt. Ltd., Ahmedabad, Gujarat
138.	Strip based test for detection of hydrogen peroxide in milk	26-03-2025	Everest Instruments Pvt. Ltd., Ahmedabad, Gujarat
139.	Strip based test for detection of maltodextrin in milk	26-03-2025	Everest Instruments Pvt. Ltd., Ahmedabad, Gujarat
140.	A strip based test for detection of sucrose in milk	26-03-2025	Everest Instruments Pvt. Ltd., Ahmedabad, Gujarat
141.	Strip for detection of sodium chloride in milk	26-03-2025	Everest Instruments Pvt. Ltd., Ahmedabad, Gujarat

142.	Strip based technology for early detection of sub-clinical and clinical Mastitis	26-03-2025	Everest Instruments Pvt. Ltd., Ahmedabad, Gujarat
143.	Detection of sorbitol in milk using paper based discs	26-03-2025	Everest Instruments Pvt. Ltd., Ahmedabad, Gujarat
144.	Indigenous Probiotic Limosilactobacillus fermentum NCDC 400 strain	12-06-2025	The Rohtak Coop. Milk Producers Union Ltd., Rohtak, Haryana