

Product Description

NXtec™ Reagent Kit

Catalogue numbers

- **DRK01-IL:** NXtec Reagent Kit, 100 reactions
- **DRK05-IL:** NXtec Reagent Kit, 500 reactions
- **DRK20-IL:** NXtec Reagent Kit, 2000 reactions

Certificate of Analysis

Information regarding quality tests is available upon request via info@mrcholland.com.

General information

NXtec Reagent Kit is a **research use only (RUO)** reagent to be used in combination with a NXtec probemix and one or multiple NXtec barcode plates as described in the digitalMLPA NXtec Protocol.

This product is not CE/FDA registered for use in diagnostic procedures. Purchase of this product includes a limited license for research purposes.

Instructions for use

See digitalMLPA NXtec Protocol, available at www.mrcholland.com.

Table 1. NXtec Reagent Kit components

Reagent kit component	Volumes			Ingredients
	DRK01-IL	DRK05-IL	DRK20-IL	
SALSA® MLPA® Buffer (yellow cap)	180 µl	5×180 µl	5×700 µl	KCl, Tris-HCl, EDTA, PEG-6000, DTT, oligonucleotides
SALSA® Ligase-65 (green cap)	115 µl	5×115 µl	5×460 µl	Glycerol, EDTA, DTT, KCl, Tris-HCl, non-ionic detergent, Ligase-65 enzyme (bacterial origin)
SALSA® Ligase Buffer A (transparent cap)	360 µl	5×360 µl	5×1420 µl	Coenzyme NAD (bacterial origin)
SALSA® Ligase Buffer C (pink cap)	360 µl	5×360 µl	5×1420 µl	Tris-HCl, MgCl ₂ , non-ionic detergent
SALSA® PCR Primer Mix P5P7 (brown cap)	240 µl	5×240 µl	5×940 µl	Synthetic oligonucleotides, some with 6-FAM fluorescent dye, dNTPs, salts, buffer, non-ionic detergent
SALSA® Polymerase (light orange cap)	115 µl	5×115 µl	5×460 µl	Glycerol, non-ionic detergents, EDTA, DTT, KCl, Tris-HCl, Polymerase enzyme (bacterial origin)

Precautions and warnings

For professional use only. Always consult the most recent probemix product description AND the digitalMLPA NXtec Protocol before use: www.mrcholland.com. It is the responsibility of the user to be aware of the latest scientific knowledge of the application before drawing any conclusions from findings generated with this product. Always vortex thawed buffers, followed by brief centrifugation. Never vortex the enzymes. Pipette enzymes and buffers when at room temperature. Additionally, pipette Ligase Buffer C with care to prevent the formation of bubbles. Do not use the product if the packaging is damaged or opened. Leave chemicals in original containers. Waste material must be disposed of in accordance with the national and local regulations.

Storage and shelf life

A NXtec Reagent Kit must be stored at -15°C to -25°C shielded from light and in the original packaging directly upon arrival. The reagent kits should not be aliquoted.

A shelf life of until the expiry date is guaranteed, when stored in the original packaging under recommended conditions. For the exact expiry date, see the label on the vial. Reagents should not be exposed to more than 25 freeze-thaw cycles.

MLPA Buffer is typically frozen at -20°C, but may remain liquid due to its high salt concentration. If precipitate is observed, it can be heated under warm water (65-70°C) for a few minutes, cooled down to room temperature, and vortexed until precipitate disappears before use.

Safety data sheet

None of the ingredients are derived from humans, animals, or pathogenic bacteria. Based on the concentrations present, none of the ingredients are hazardous as defined by the Hazard Communication Standard. **A Safety Data Sheet (SDS) is not required for these products:** none of the preparations contain dangerous substances at concentrations requiring distribution of an SDS (as per Regulation (EC) No 1272/2008 [EU-GHS/CLP] and 1907/2006 [REACH] and amendments). If spills occur, clean with water and follow appropriate site procedures.

More information: www.mrcholland.com ; www.mrcholland.eu	
	MRC Holland BV; Willem Schoutenstraat 1 1057 DL, Amsterdam, The Netherlands
E-mail	info@mrcholland.com (information & technical questions) order@mrcholland.com (orders)
Phone	+31 888 657 200

Implemented changes in the product description
<i>Version 02 – 17 July 2025</i> - Product names were updated throughout the document from SALSA® digitalMLPA™ to NXtec.
<i>Version 01 – 29 January 2024</i> - Not applicable, new document.