Product Datasheet

RunBlue TEO-Tricine SDS Protein Gels 8%-10x10 Novex Compatible

NXG408-12Each

Unit Size: 12 wells

Store at 4C.

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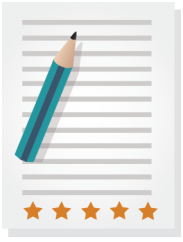

NXG408-12Each

RunBlue TEO-Tricine SDS Protein Gels 8%-10x10 Novex Compatible

Product Information

Unit Size	12 wells
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C.

Product Description

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RunBlue Features & Benefits

Novel optimised gel-buffer system – High resolution and sharp bands
Extra resolving length – Increased separation
Unique homogeneous polymerization – Increased consistency and no residual free acrylamide
Extra Wells – Run up to 12 or 17 samples simultaneously
Deep and wide wells – Load up to 35 µl (12 well) or 20 ul (17 well)
Standard format – Compatible with 10x10cm protein gel tanks such as NuPAGE® XCell SureLock Mini-Cell
Protruding teeth – No well contamination in case of overloading
Resilient gel matrix – Tear-proof gel and risk-free handling
Comb-free – No potentially broken or damaged teeth
Strip-free – No potentially ruined Western Blots
Clipped cassette – Fast and gentle opening
Neutral buffer and high chemical stability – shelf life of 2 years at 4ºC and 6 months at RT

RunBlue Performance

RunBlue SDS Protein Gels take advantage of Expedeon's new methods and innovations to the gel making process to increase resolution and reproducibility of separated protein bands. RunBlue SDS Protein Gels are based on a novel gel buffer system which provides a separation profile similar to Nupage® Bis-Tris gels, but with enhanced separation of higher molecular weight proteins and better overall resolution. RunBlue Protein Gel's proprietary polymerization process results in more uniform gels between batches, with decreased variability and improved repeatability of results.

Usability Enhancements

In addition to their high resolution separation of protein all RunBlue Protein Gels have a number of enhancements to improve and streamline usability. RunBlue Protein Gels are up to 10 times stronger than conventional hand-cast gels and can stand up to repeated handling. This practically eliminates the risk of torn and unusable gels encountered during normal gel manipulation. More lanes than standard gels allows more proteins to be run and wide, deep wells allow higher volumes to be loaded. Cassettes have no comb or tape to remove and no excess gel to trim, all of which improves the speed and efficiency of the loading and running process. Wells are outlined and numbered for quicker sample loading and the cassette is labeled with gel type, percentage and a unique lot number for traceability. Well teeth protrude above the cassette to prevent sample contamination between wells in case of overloading.

Flexible Usage

The RunBlue SDS Protein Gel 10x10cm cassettes are designed to fit a number of gel tanks such as Invitrogen® XCell SureLock™ equipment, Hoeffer, and Owl

	tanks. RunBlue SDS Protein Gels are highly optimised for a TEO-Tricine buffer system and must be run with this buffer system to achieve good results. TEO-Tricine buffer is available as a premixed 20X solution, or a homemade version can be mixed using the available recipe. The samples must be prepared with a TEO-Cl based sample buffer which is available as a premade 4X solution, or can be homemade with the freely available recipe.RunBlue Protein Gels have an extended shelf life of 2 years at 4ºC which is ideal for large stocks or infrequent use. They also have a 6 month shelf life at room temperature which is convenient when fridge space is limited. **Improved Safety** Polyacrylamide gels are based on the polymerization of liquid acrylamide and bis-acrylamide. The polymerization is usually induced by the addition of a source of free radicals and a stabilizer (usually APS & TEMED) which induces cross link formation between acrylamide and bis-acrylamide monomers. This localized chemical induction results in heterogeneous polymerization across the gel due to acrylamide concentration gradients being generated, and can lead to the presence of residual free acrylamide at the end of the polymerization. Expedeon has developed a unique physical induction technology which ensure homogenous polymerization across the whole gel and no residual free acrylamide after the end of the polymerization. Numerous studies have shown the acrylamide monomer is a neurotoxin and possible carcinogen*. Acrylamide can be inhaled as a dry powder, evaporate from liquid solution and sublimate from solid gels if not fully polymerized. RunBlue gels are polymerized in a unique homogenous manner that results in a consistent gel with minimal or no residue after casting.
Notes	This product is manufactured by Abcam and distributed by Novus Biologicals. This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt and this statement overrides any mentioned guarantee period on the limitations section of this products datasheet. Please contact technical@novusbio.com with questions.

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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