ReadyTector® Pure   *(article no. 701)*

One-Step-Detection-Solution for Immunoblots that enables the immunodetection in a single step.

Storage:	2 – 8 °C
pH-value at 19.0 – 21.0 °C:	7.2 ± 0.2
Preservative:	contains < 0.0014 % [w/w] reaction mass of CMIT/MIT (3:1)
Expiry date when stored unopened:	see label on the bottle

For general laboratory use

Instructions for use

ReadyTector® Pure is a buffer solution for Immunoblots that enables the entire immunodetection process in a single step. *ReadyTector® Pure* allows to perform blocking, primary antibody binding, and secondary antibody binding simultaneously, greatly simplifying and accelerating the workflow (Fig. 1).
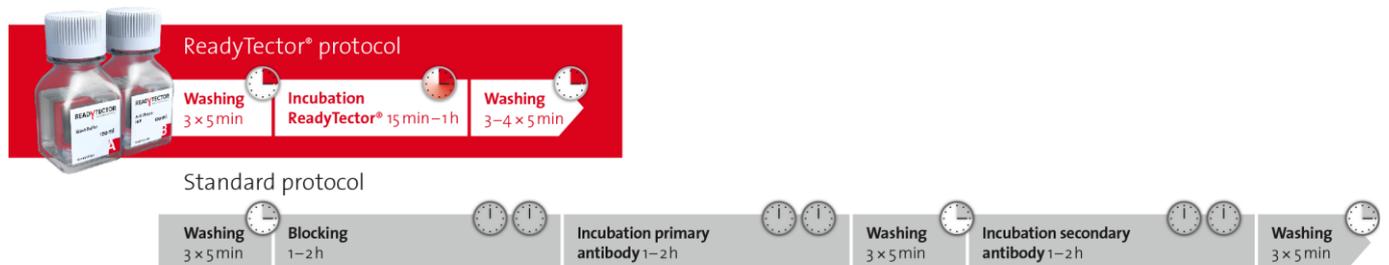

Fig. 1: ReadyTector® significantly shortens processing times by combining blocking and antibody binding in a single step.

ReadyTector® Pure not only accelerates Immunoblot detection but also simplifies the process:

1. Prepare the washing solution by diluting *ReadyTector® Wash Buffer* (10x) (A) into distilled water (1 part of *ReadyTector® Wash Buffer* (10x) + 9 parts of water)

2. Add your primary and secondary antibody to *ReadyTector® Pure* (B)

3. Wash your membrane 3 times with the washing solution. Discard the supernatant after each wash.

4. Incubate the membrane with the prepared antibody-supplemented *ReadyTector® Pure* solution for 15 - 60 min at room temperature (Fig. 2).

5. Discard or collect the supernatant and wash your membrane 3 times with the washing solution. Discard the supernatant after each wash.

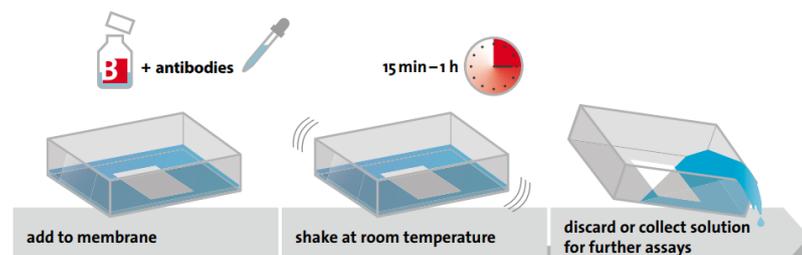6. Detect signals using your method of choice.

Fig. 2:   A single incubation step for blocking and parallel primary and secondary antibody incubation is sufficient with *ReadyTector®.*

READYTECTOR
easy, quick and clear

Despite this fast single-step incubation process, *ReadyTector*® minimizes background and enables clear, publication-quality signal detection.

ReadyTector® *Pure* is compatible with multiple detection labels, including horseradish peroxidase (HRP), alkaline phosphatase (AP), fluorescent dyes, and nanoparticles as well as multiplexing approaches. Optimal primary and secondary antibody concentrations must be empirically determined. For HRP-based detection, we recommend the use of *F(ab')$_2$ Mouse IgG (H&L) Antibody Peroxidase Conjugate* (Item No. 710-1332) and *F(ab')$_2$ Rabbit IgG (H&L) Antibody Peroxidase Conjugate* (Item No. 711-1322) from Rockland Immunochemicals at final concentrations of around 300 $^{ng}/_{mL}$ in *ReadyTector*® *Pure.*

ReadyTector® *Pure* is designed to suppress low and medium affinity binding events, which are a common source of background. Consequently, a slight signal reduction may occur if polyclonal antibodies (which generally also contain low- and medium-affinity binding components) are used. In this case, the amount of high-affinity antibodies can be raised by moderately increasing the antibody concentration to achieve the desired signal strength again. The unwanted low and medium-affinity binding will remain suppressed.

When low- or medium-affinity monoclonal antibodies are used, signal loss may occur because *ReadyTector*® *Pure* fully suppresses their binding. The use of suitable high-affinity monoclonal antibodies is recommended.

The suitability of *ReadyTector*® *Pure* for the respective immunoblot method and the respective antibodies must be tested by the user.

For further information please visit www.candor-bioscience.com.

ReadyTector is a registered trade mark of CANDOR Bioscience GmbH.