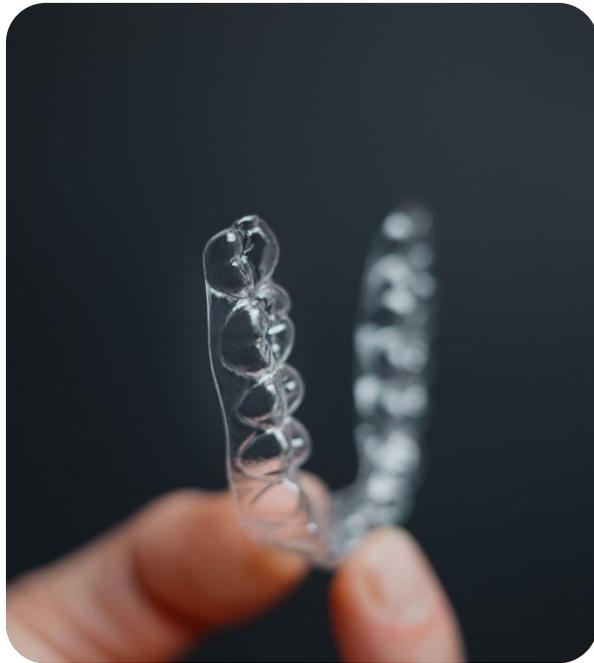
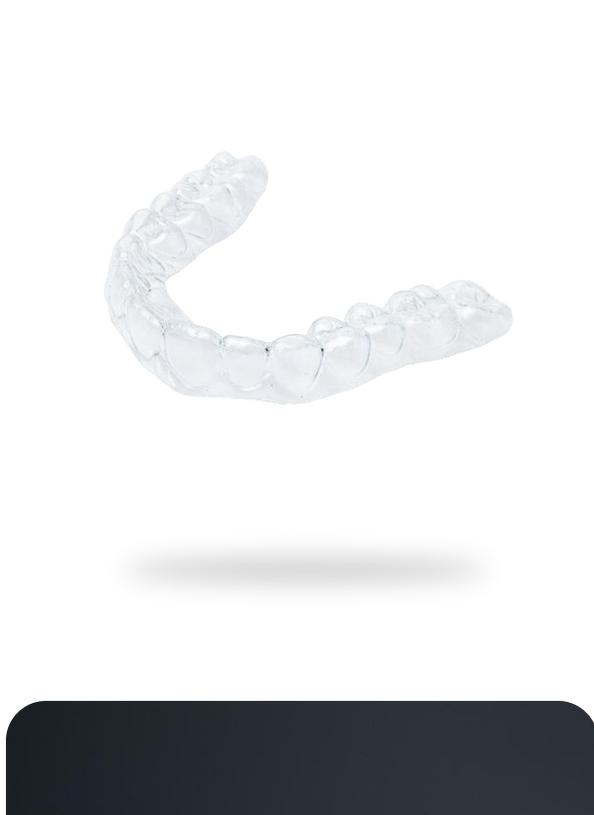


Simply The Best
for direct-printed aligners
and retainers
dx direct aligner

February, 2026





Why dx direct aligner?

dx



Top Mechanical Performance

The perfect balance of strength and flexibility ensures optimal results in aligner therapy.



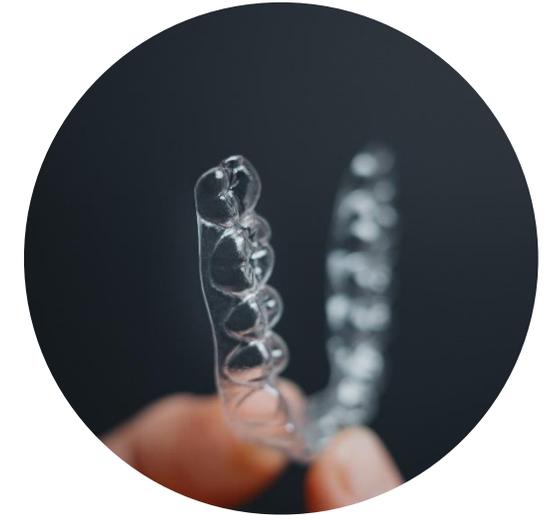
Self-directed Therapy

The therapy can begin at the first patient contact. Flexible and controlled process steps lead to shorter treatment times.



High Biocompatibility

Low solubility values ensure that biocompatible properties remain unaffected.



Design Flexibility

Custom-fit aligners, adapted to the individual tooth geometry, enable efficient and controlled tooth movements.

dx direct aligner

Medical resin for direct printing of aligners & retainers



Medical device
Class IIa



KEY FACTS

Why dx direct aligner?



Biocompatibility

- Low solubility values
- MDR certified, Medical Device Class IIa
- TPO-free



Effortless Workflow

- Compatible with the standard 3D printing process
- Seamless lab integration
- No extra process steps



Outstanding Mechanical Properties

- Optimal balance of strength and flexibility
- Ultra thin from 0,5 mm
- Perfectly tailored to the requirements of aligner therapy



Design Flexibility

- Variable and controlled thickness in defined areas for more effective tooth movements
- Customizable trimline for personalized fit



Self-directed Therapy Planning

- Immediate start of therapy at first patient contact
- Fast adaption of therapy planning possible
- Controlled orthodontic force



Premium Esthetics

- High transparency for nearly invisible aligners
- Minimal discoloration due to low water absorption

Why direct 3D printing of aligners?

Direct Printing

No thermoforming, no models
→ less waste, higher efficiency

Variability

Variable aligner thickness in defined zones → orthodontic force precisely tailored to treatment needs

Design Flexibility

Precise fit of the aligner, adapted to the individual tooth geometry → more effective tooth movements

Immediate Start

The therapy can begin at the first patient contact → shorter treatment times

Gentle Therapy

Stepwise, controlled tooth-moving force → less pain, gentler treatment for the patient

Process Reliability

Fully digital workflow, from planning to printing → fewer manual steps

Simply The Best · dx direct aligner

dx

Biocompatibility



- Low solubility values
- MDR certified, Medical Device Class IIa
- TPO-free

Mechanical Stability



- Optimal balance of strength and flexibility
- Outstanding material stability allows increased force by controlled thickness

Maximum Comfort



- Gentle orthodontic force at the start
- Reduced pain and discomfort

Resource-Saving



- Optimal material properties enhance therapy effectiveness, reducing the number of aligners required

Wide application range



- Reduced need for attachments due to high mechanical stability

No discoloration



- Long-term color stability due to low water absorption

dx direct aligner

Medical resin for direct printing of aligners & retainers



Medical device
Class IIa



Ordering information

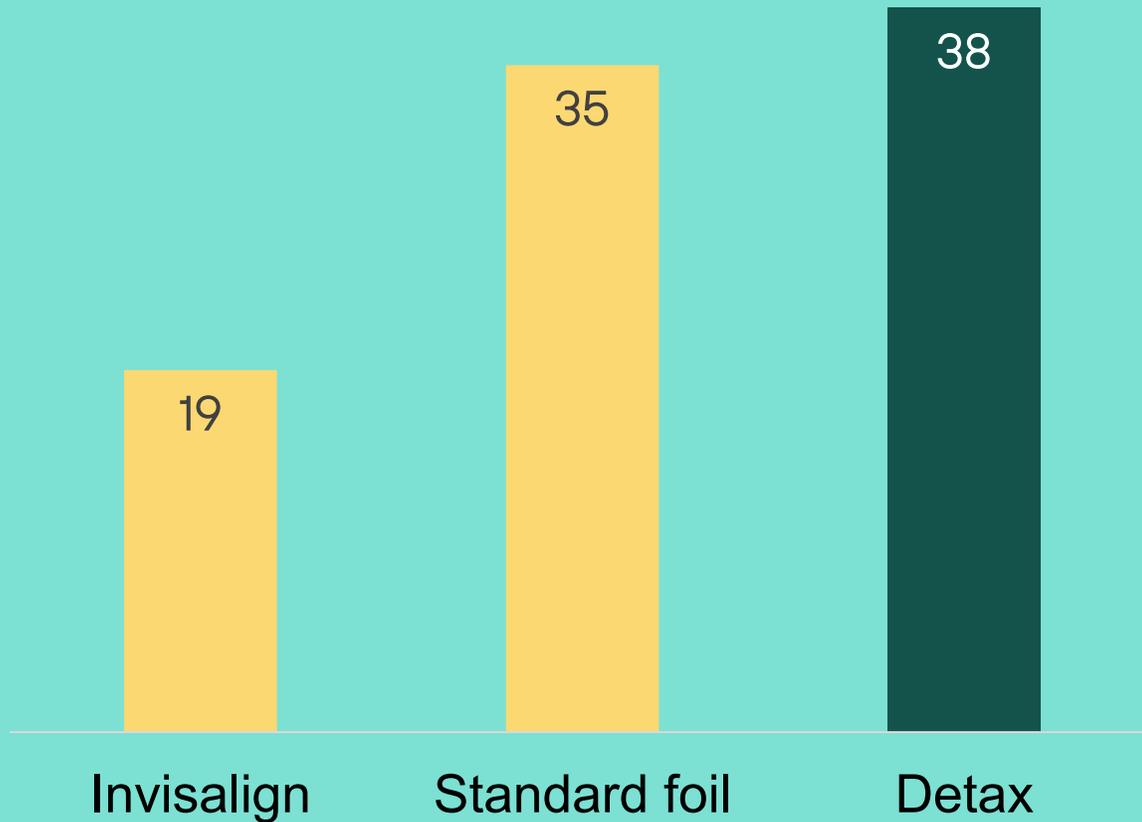
dx direct aligner

04707 Bottle, 1.000 g

04706 Eco Bag, 5 kg

Detax material offers most energy on teeth

Elastic energy comparison in % after 7 days in mouth



Sources: Prof. Dr. mult. Theodore Eliades, University Zurich and European Journal of Orthodontics, Sayahpour et. Al. Volume 46, Issue 1, January 2024; Note: Invisalign – Smart Track LD 30, Foil: - Scheu Duran 0,75mm, Detax – dx direct aligner 0,65 mm

"The Detax material is great. There is nothing that needs to change with the formulation."

Prof. Dr. mult.
Theodore Eliades

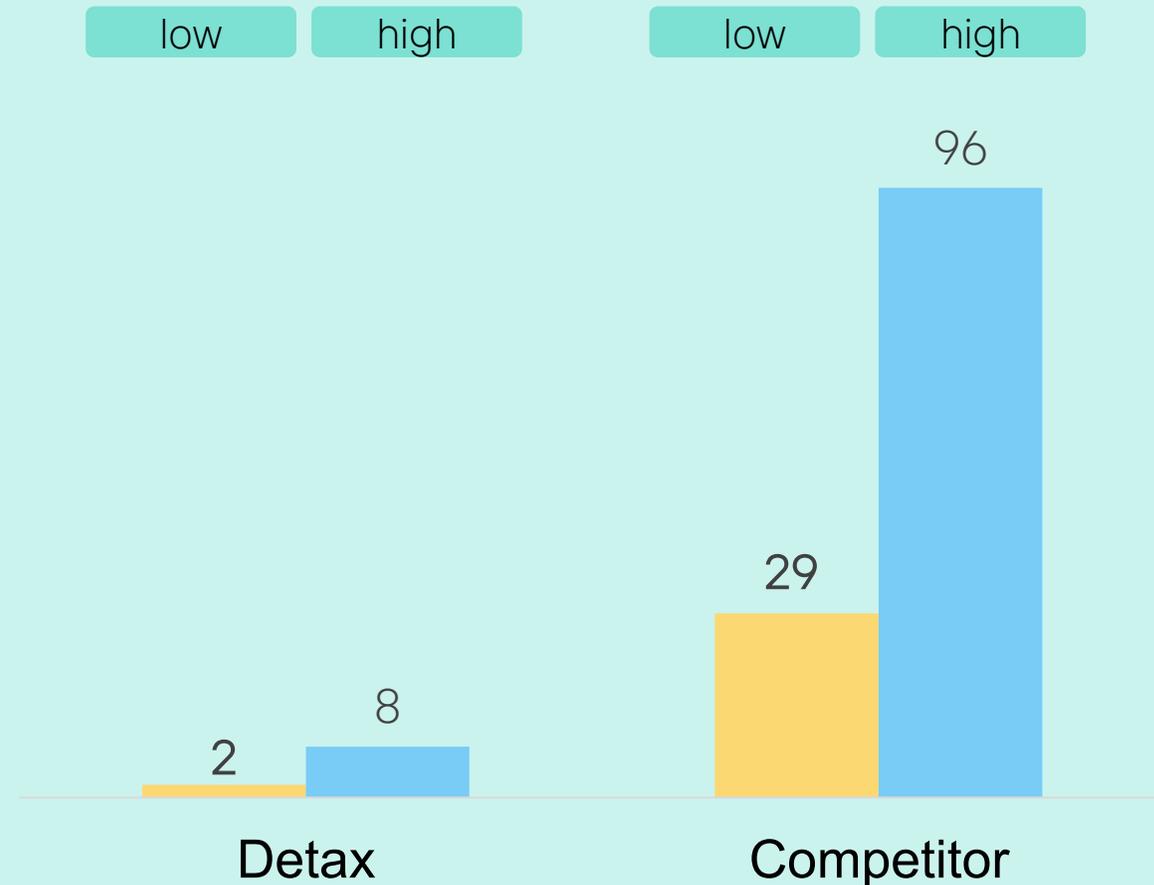


**Universität
Zürich** ^{UZH}



UDMA levels are low and constant across different samples compared to the competitor

UDMA $\mu\text{g/l}$



Detax material is validated across the entire digital workflow to ensure consistently low toxicological values.

Materials that matter

Thank you for your attention

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