



# PARA | DYM<sup>TM</sup>

The revolutionary  
ready-to-use medium

Delivered with Certificate of Analysis

You choose the serum, medium and additives for your individually produced medium

Single vacuum-packed

Individually labelled with your name



- ✓ No risk of contamination due to carelessness
- ✓ Manufactured under industrial clean room conditions
- ✓ Addition of antibiotics not necessary
- ✓ No variability due to pipetting errors
- ✓ Simple ordering process, as only one supplier is required

## Shifting the **PARA|DYM™**

We offer a new, innovative approach to cell culture media – redefining your research and routine.

Since the first time cells have been kept in culture, there has been hardly any change in the procedure of media preparation. The nutrient solution has always been prepared by adding the individual components: medium, serum, and various additives. Unfortunately, this approach is accompanied by risk of contamination, manual errors, and often, obtaining all components in a timely manner can be difficult.

Safety, reproducibility, and time are decisive factors in cell culture. With the **PARA|DYM™** concept, Capricorn Scientific is starting a completely new chapter for cell culture. We produce your ready-to-use medium with your pretested serum, medium, and individual supplements. Sterile, reproducible, and at a reasonable price.

# The concept **PARA|DYM™**

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**PARA|DYM™** – our special service – is here to make your daily research more secure and reliable.

We produce your individual ready-to-use medium under industrial clean room conditions. Naturally, your specifications are implemented safely, flexibly, and with a guarantee for sterility. For our industrial customers, we also offer comprehensive documentation upon request.

Build your own culture medium – no matter the origin of your serum. Use your own pre-tested serum!

Whether your serum is sourced from Sigma, Merck, or **Capricorn Scientific** – it will always be your own!

We produce the ready-to-use medium according to your requirements with RPMI, DMEM, or any other medium. Also, special additives like HEPES, penicillin/streptomycin, or growth factors can be added in a defined way.

Each bottle is individually vacuum packed in a plastic bag, protected from dirt, dust, and other possible contaminants. You will always work with an absolutely clean single bottle in your sterile bench, minimizing further risks. In this way, the use of antibiotics can be limited to the bare minimum.

# The Production

Quality is our highest claim! We produce under industrial clean room conditions. Your serum, medium, and additives are prepared in such a way that your product is always homogeneous, sterile, and completely reproducible.

We claim that cell culture is not a variable, but a fixed factor in your research. Individual errors, contaminations, necessary antibiotics, dirt, or other unknown sources of error should no longer play a role in your application. This is guaranteed by our highly qualified and motivated team.

## Our Service

- ✓ Together we determine the composition of your product
- ✓ We manage your serum, no matter the supplier
- ✓ In our clean room, we prepare the mix of serum, medium, and additives according to your specifications
- ✓ We test the sterility during and after production
- ✓ Your product is stored at a controlled temperature of  $\leq -15$  °C
- ✓ We grant you online access to your stock

## Production at the highest level

- ✓ Controlled clean room conditions
- ✓ Validated filling
- ✓ Highly trained staff
- ✓ Standardised processes
- ✓ Secured documentation with complete control
- ✓ Guaranteed reproducibility





# The Product

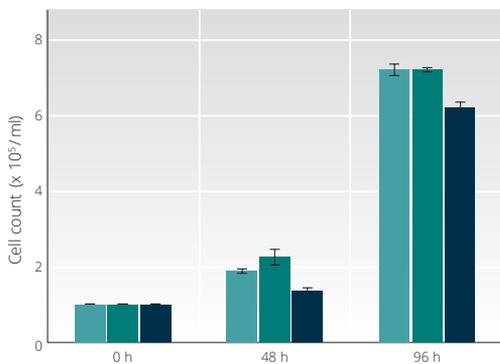
With **PARA|DYM™** ready-to-use medium you receive a high-quality product, based entirely on your needs. We produce and deliver each bottle safely, vacuum-packed, and labelled individually. Simply open the vacuum bag at the edge of the tear and you can get to work.

**PARA|DYM™** ready-to-use medium allows you to save time, work safely, and guarantees reproducibility.

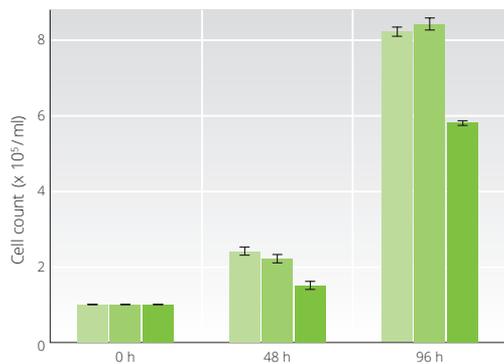
We have tested a wide range of **PARA|DYM™** media for stability, homogeneity, and performance in cell culture. Almost all commercial media can be used for the production of **PARA|DYM™**.

With many years of experience and intensive testing of our media and sera, we guarantee a product of highest quality.

## Thermostability **PARA|DYM™**



- HEK 293 in PARA|DYM™ 1 (freshly thawed)
- HEK 293 in PARA|DYM™ 2 (30 days of storage at 2-8 °C)
- HEK 293 in PARA|DYM™ 3 (90 days of storage at 2-8 °C)



- MRC-5 in PARA|DYM™ 1 (freshly thawed)
- MRC-5 in PARA|DYM™ 2 (30 days of storage at 2-8 °C)
- MRC-5 in PARA|DYM™ 3 (90 days of storage at 2-8 °C)

# Your questions are taken seriously

## I am using a pre-tested serum from another supplier – how is that supposed to work with your **PARA|DYM™** concept?

We have adjusted to the fact that serum must always be tested individually. Thus, we will collect your serum from you and use it for the production of your **PARA|DYM™**.

Alternatively, we can also obtain and finance the serum directly from your current provider - we´re trying to make life as easy as possible for you.

## I use several media for different cells. How do you deal with this?

In this aspect we are also very flexible. You can make several call-offs for one serum with different media and/or supplements. The entire service is specifically tailored to your personal requirements.

## How long does it take to produce my **PARA|DYM™** ready-to-use medium?

Initially, we start by assessing your exact needs, including all the components. What should be on the label? Which quantities do you want us to produce? Then, together we will organize how we can deliver your serum to our production facility.

Once we get going, it takes us about 14 days for your first delivery of **PARA|DYM™** ready-to-use medium. Each subsequent delivery of your **PARA|DYM™** will be made within 24 hours.



## What is the shelf life of the **PARA|DYM™** ready-to-use medium?

We have carried out intensive preliminary tests and were able to show that the **PARA|DYM™** ready-to-use medium is stable at +2 °C to +8 °C over a period of 4 to 6 weeks. This means that you can order and use the medium in a monthly rhythm and save space in your -20 °C stock. In the frozen state, the medium can be stored for two years.

## I would like to test the concept, can you produce a sample?

Of course - we can use one bottle of your serum and make 10 x 500 ml of ready-to-use medium. We are very much convinced of our concept – and want to convince you!

## How is my **PARA|DYM™** ready-to-use medium delivered?

This depends on your requirements. If you use up the medium quickly (~4 weeks), we can send you the medium in a frozen state but without dry ice. This way, the medium thaws during transport and you can use it immediately. If you want to store the medium for longer (4 weeks +), we will deliver your product on dry ice.

Due to its small volume, our innovative and sustainable packaging can be reused and your stock can be stored in a space-saving way.

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