

## STORAGE CONDITIONS AND STORAGE LIFE FOR ROTH BIOSCIENCE PRODUCTS

### R-CARDS

The storage life of the R-CARDS is long. Since they all are based on the same technology that involves dry components attached to a card, answers will be applicable to each of the different formulations (product types). There are a couple of general things that should be kept in mind, which are common to most products of this nature.

1. They should be kept dry and out of highly humid environments. If they become wet, they will become unusable.
2. It is preferable that the cards not be subjected to high intensity light or heat.

With these things in mind, it is best to keep R-CARDS in the sealed containers (envelopes) in which they were delivered. That does not mean that they cannot be exposed to normal conditions for days or weeks where temperatures do not exceed 40 degrees Celsius or where humidity is normally less than 100%. Some cards in our labs have been kept for more than a year in ambient conditions in a plastic bag, and performance was still excellent.

However, like most companies, we prefer to err on the conservative side when we indicate shelf life. Therefore, in general, we recommend that the products can be kept at normal ambient conditions for no more than 6 weeks, or refrigerated (frost-free) for more than six months, and if frozen (frost free), for a year. However, for optimum performance and our guarantee, we do post expiration dates based on being kept frozen. We do not expect or encourage our customers to purchase large amounts and plan to keep them for years. Fresher media are always preferable for any product.

### OTHER PRODUCTS (PRIMARILY LIQUID MEMBRANE FILTRATION MEDIA)

These are best kept frozen, but can generally be kept refrigerated for 2-3 months, or at ambient for 2-3 weeks.