Cash Runway Analysis: How to Know When a Company Is About to Dilute You

SEC - Risk Analysis - March 24, 2026

What is cash runway and why does it predict stock dilution? Learn how to calculate cash runway from SEC filings and identify at-risk positions before the next offering.

Cash runway is the single most powerful predictor of near-term dilution in small-cap stocks. When a company runs out of cash, it has three options: generate revenue, borrow money, or issue stock. Most small-cap biotechs, development-stage companies, and pre-revenue issuers don't have the first two options readily available. That leaves equity issuance - and that means dilution for existing shareholders.

Learning to calculate cash runway from SEC filings isn't complicated, but it requires knowing where to look and what adjustments to make. This guide walks you through the full process.

What Is Cash Runway?

Cash runway is the number of months (or quarters) a company can continue operating at its current cash burn rate before it exhausts its cash and cash equivalents. It's a forward-looking metric that tells you how long the company can survive without raising additional capital.

The concept is simple:

Cash Runway (months) = Cash & Equivalents ÷ Monthly Cash Burn

Where Monthly Cash Burn = Average quarterly operating cash outflow ÷ 3

A company with $10 million in cash burning $1.5 million per month has approximately 6.7 months of runway. If that company's stock is trading at a reasonable valuation, expect a capital raise - and associated dilution - within the next 4-5 months (they'll want to raise before the cash situation becomes critical).

Where to Find the Numbers in SEC Filings

Step 1: Find Current Cash Position

Open the most recently filed 10-Q (or 10-K for annual filings). Go to the Balance Sheet (also called the Consolidated Balance Sheet or Statement of Financial Position). Look for:

* "Cash and cash equivalents" - the primary line item
* "Short-term investments" or "Marketable securities" - these are often liquid and should be included
* "Restricted cash" - do not include this; restricted cash is not available for operations

Your total available cash = cash and equivalents + unrestricted short-term investments.

Step 2: Calculate Monthly Cash Burn

Go to the Statement of Cash Flows in the same filing. Look for "Net cash used in operating activities" - this is your operating cash burn for the period. For a 10-Q, this will be the 9-month or 6-month period; adjust accordingly.

Monthly Burn = |Net cash used in operating activities| ÷ Number of months in period

Use the 9-month figure from Q3 for the most representative trailing average

Avoid using a single quarter in isolation - quarterly cash flows can be volatile due to timing of payments. A trailing 9-month average (available from Q3 10-Q) is more reliable than any single quarter.

Step 3: Cross-Check with Management's Own Disclosure

In the MD&A (Management Discussion and Analysis) section of the 10-Q, look for a paragraph discussing liquidity and capital resources. Management is required to disclose if they believe the company has sufficient cash to fund operations for the next 12 months. If they say "we believe our existing cash will fund operations for approximately X months," that's your cross-check.

If management declines to give a forward-looking runway statement, or the auditor has included a going concern qualification (look for it in the auditor's report in the 10-K), treat that as a maximum-urgency flag.

Going concern language in the auditor's report is the nuclear alarm. It means the auditor has concluded there is "substantial doubt" about the company's ability to continue as a going concern for 12 months. This language almost always precedes a dilutive capital raise, and it often creates panic selling that makes the dilutive financing even worse in terms of the price the company can get.

Adjustments That Improve Accuracy

Adjust for One-Time Items

If the cash flow statement shows an unusually low burn quarter because the company deferred payroll, received a large advance payment, or sold assets, the reported burn rate may understate ongoing operations. Look for large swings in working capital line items (accounts payable, accounts receivable, accrued liabilities) - these can distort the operating cash flow number.

Consider Upcoming Large Cash Outflows

Lease payments, debt maturities, or major purchase commitments can accelerate cash depletion significantly. Check the footnotes for "Commitments and Contingencies" - you'll find operating lease obligations, debt schedules, and other future payment obligations that aren't captured in the burn rate.

Factor In Upcoming Cash Inflows

Some companies have milestone payments, licensing fees, or product revenues that are reasonably predictable. If a biotech has a partner milestone payment coming within 90 days, that materially changes the runway calculation. However, be conservative - milestone payments are often delayed or contingent on events that may not occur on schedule.

The Relationship Between Cash Runway and Dilution Timing

Companies don't wait until they're literally out of cash to raise equity. Investment bankers will tell management that getting desperate before raising makes the terms worse. In practice:

* 18+ months runway: Low probability of imminent raise. Company has negotiating leverage for favorable terms.
* 12-18 months: Company is likely evaluating options but isn't under pressure yet. An opportunistic raise is possible if market conditions are favorable.

* 6-12 months: The company is probably actively working on a financing. Expect an offering within 3-6 months.
* 3-6 months: A raise is imminent. The company has little leverage - expect a discounted offering with warrants.
* <3 months: Emergency financing territory. Expect toxic terms - steep discounts, heavy warrants, possibly variable-rate convertibles. The PIPE investors know they have all the leverage.

Rule of thumb: Companies typically raise when they have 6-9 months of runway remaining. If a company with 6 months of cash hasn't announced a raise yet, they're either in active negotiations (raise imminent), or struggling to find buyers (terms will be terrible when they do).

Cash Runway as a Portfolio Management Tool

Calculating cash runway for each stock in your portfolio or watchlist doesn't take long once you know where to look, but it gives you a significant edge. Here's how to use it systematically:

Build a Runway Table for Your Holdings

After each quarterly earnings season, update a simple spreadsheet with: ticker, filing date, cash position, trailing 3-month burn, calculated runway. Flag anything under 9 months for closer monitoring.

Set Alert Thresholds

Consider reducing position size when runway drops below 9 months. Consider exiting or shorting when runway drops below 6 months in a company with no revenue inflection or catalyst that would change the math. These are mechanical rules, not mandates - but having them prevents you from holding through a damaging dilutive raise.

Monitor Between Quarters

Companies can raise capital between regular quarterly filings. Watch for 8-K filings between quarters - any 8-K with Items 1.01 or 3.02 from a company with low cash runway should be read immediately.

Real-World Example: Reading the Warning Signs

Consider a hypothetical pre-revenue biotech:

* Q2 10-Q shows $8.2M cash and equivalents
* Operating cash used: $7.4M for the 6-month period = $1.23M/month burn
* Calculated runway: 8.2 ÷ 1.23 = 6.7 months from the filing date
* MD&A states: "We believe our cash will fund operations into Q1 of next year"
* 10-K contains going concern qualification from last year (auditor flagged it)
* Active S-3 shelf with $25M capacity filed 8 months ago

This is a textbook pre-raise setup. The shelf is loaded. The runway is tight. Management is disclosing the timeline. A PIPE or registered direct offering is likely within 60-90 days. If you own this stock and aren't prepared for 20-40% dilution at a discount to market, this analysis should prompt a position review.

Bottom Line

Cash runway analysis is the closest thing to a crystal ball available to retail investors in

small-cap markets. It doesn't tell you exactly when or at what price the next offering will come, but it tells you with reasonable certainty that one is coming - and that advance warning is immensely valuable for position management.

The calculation is straightforward: cash divided by monthly burn, sourced from the most recent 10-Q. The interpretation is equally straightforward: below 12 months, watch carefully; below 6 months, act accordingly.

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